AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A device for producing cigarette filters, comprising a conditioning section ~~(AF)~~ for conditioning supplied filter tows, a formatting section ~~(F)~~ for producing a wrapped filter strand, and a dosing device ~~(4)~~ integrated into [[a]] said conditioning section for dosing a softener, ~~wherein the device further comprises~~ a plurality of sensors ~~that detect~~ for detecting mass flow of filter tow material (M_1), ~~as well as~~ a plurality of sensors for detecting ~~that detect~~ a sum of the mass flow ~~from~~ of filter tow material and softener compound (M_2), and ~~wherein the device comprises~~ a measuring and regulation unit ~~that is coupled with the sensors for measuring the mass flows (M_1 and M_2) in such a manner that~~ for measuring and regulating both the filter material and the softener compound ~~can be measured and regulated~~ independently, wherein said measuring and regulation unit comprises the sensors for measuring the mass flows (M_1; M_2) and a regulation unit, and wherein the sensors for measuring the mass flows (M_1; M_2) are coupled with said regulation unit.

2. (Currently Amended) The device pursuant to claim 1, wherein said sensors for detecting mass flow of filter tow material (M_1) comprise a mass sensor (S_{m1}) for detecting the length-related mass m1 and a speed sensor (S_{v1}) for detecting speed v1 of the continuous filter strand, and wherein said sensors for detecting a sum of the mass flow of filter tow material and softener compound (M_2) comprise a mass sensor (S_{m2}) for detecting the length-related mass m_2 and a speed sensor (S_{v2}) for detecting the speed v_2 of the continuous filter strand, and wherein said sensors for detecting mass flow of filter tow material (M_1) are arranged in front of said dosing device and said sensors for detecting a sum of the mass flow of filter tow material and softener compound (M_2) are arranged after said dosing device in relation to ~~the device, when viewed in~~ the moving direction of the filter strand, and wherein the mass flow (M_1) in front of said dosing device results from the product $m_1 \times v_1 = M_1$ and the mass flow (M_2) after said dosing device results from the product $m_2 \times v_2 = M_2$ ~~in front of and after the dosing device (4), for the softener sensors (S_{m1}; S_{m2}) that detect the length-related mass m_1, m_2 of the continuous filter strand and sensors (S_{v1}; S_{v2}) that detect the current~~

~~speeds v_1 and v_2 of the continuous filter strand are provided, wherein the respective mass flow results from the products of $m_1 \times v_1 = M_1$ and $m_2 \times v_2 = M_2$.~~

3. (Currently Amended) The device pursuant to ~~one of the~~ claim 2, wherein ~~the~~ said speed sensor (S_{v1}) ~~that detects the~~ for detecting the speed v_1 and ~~the~~ said sensor (S_{m1}) for detecting ~~that detects~~ the length-related mass m_1 of the continuous filter strand are arranged directly adjacent.

4. (Currently Amended) The device pursuant to claim 2, wherein ~~the~~ said mass sensors (S_{m1}; ~~S_{m2}~~) for detecting ~~that detect~~ the length-related mass m_1 ~~and/or the~~ and said speed sensor ~~v_1~~ (S_{v1}) for detecting the speed v1 of the continuous filter strand are arranged before the entry of said ~~into the~~ conditioning section ~~(AF)~~.

5. (Currently Amended) The device pursuant to claim 2, wherein ~~the~~ said formatting section ~~device (F)~~ comprises a formatting line with a measuring unit for the formatting line speed and cutting device and ~~that the~~ wherein said mass sensor (S_{m2}) for detecting the length-related mass m_2~~, when viewed in the moving direction of the filter strand,~~ is arranged directly in front of ~~the~~ said cutting device in relation to the moving direction of the filter strand, and wherein ~~that as~~ said speed sensor (S_{v2}) for detecting the speed v_2 of the continuous filter strand is said ~~the~~ measuring unit for the formatting line speed ~~is used~~.

6. (Currently Amended) The device pursuant to claim 2, wherein ~~the~~ said speed sensors (S_{v1}; S_{v2}) for detecting the speed v_1 and v_2 of the continuous filter strand ~~that detect the current speeds v_1 and v_2 of the continuous filter strand~~ are optical speed sensors.

7. (Currently Amended) The device pursuant to claim 2, wherein at least one of said mass sensors ~~as the sensor~~ (S_{m1}~~-and/or-~~S_{m2}) for detecting ~~that detects~~ the length-related mass m_1 and/or m_2 of the continuous filter strand[[,]] is a sensor ~~is selected that is suited to~~ suitable for determining ~~determine apart from the length-related masses~~ also the moisture content of the filter strand ~~the current product~~ to be measured apart from the length-related mass m_1 and/or m_2.

8. (Currently Presented) The device pursuant to claim 2, wherein at least one of said mass sensors (S_{m1}; S_{m2}) for detecting the length-related mass m1 and/or m2 of the continuous filter strand ~~the sensor (S_{m1} and/or S_{m2})~~ is a microwave sensor.

9. (Currently Amended) The device pursuant to claim 8, wherein ~~the~~ said microwave sensor is a split resonator.

10. (Currently Amended) The device pursuant to claim 8, wherein ~~the~~ said microwave sensor comprises a closed, tube-shaped resonator ~~that is perforated~~ with a plastic probe guide for guiding the continuous filter strand, wherein said plastic probe guide comprises a perforation of said closed, tube-shaped resonator, whereby the sensitivity of the resonator is maximized.

11. (Currently Amended) The device pursuant to claim 8, wherein ~~the~~ said microwave sensor is designed as a planar sensor.

12. (Currently amended) The device pursuant to claim 8, wherein ~~the~~ said microwave sensor is designed as a profile sensor. ~~The device~~

13. (Currently Amended) The device pursuant to claim 2, wherein at least one of said mass sensors (S_{m1}; S_{m2}) for detecting the length-related mass m_1 and/or m_2 of the continuous filter strand ~~the sensor (S_{m1} and/or S_{m2}) that detects the length-related mass m_1 and/or m_2 of the continuous filter strand is~~ comprises a β-radiation source ~~as well as~~ and a β-radiation detector.

14. (Currently Amended) The device pursuant to claim 1, wherein said sensors for detecting mass flow of filter tow material (M_1) are comprised of bale scales ~~are used as a sensor for determining the mass flow M_1~~.

15. (Currently Amended) The device pursuant to claim 1, wherein said ~~device comprises a~~ regulation unit ~~for the automatic regulation of the filter material and softener mass, which~~ is coupled at its output ~~both~~ to ~~the~~ said conditioning section ~~(AF)~~ and ~~the~~ to said dosing ~~section~~ device ~~(4)~~ for the automatic regulation of the filter material and the softener mass.